

TABLE I

cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:101	M,L	LPZ-024	AGGTGACCGTGGATATGGGAGCAGAGCCGTCCGCAGTGGATGCTGCAATTCAACT TGAAGTGGCAGAAGCTGTGAAGACTCTCCAAATGGACAAGGCACGAAGACAAAAC CAAGACAAGGATGAGGGCAAGAGTGGCAACGCTGATTCAGATGACTTGAATGAAAT GGAAGTCAAAGCTAAAGCAGCCGAACAACCTGCTTGCTGTGCATGGGGCAGCATT CTACAGAATGCTCTGAAAGAAAATTTGTCGAGTCATGAAATGCGGGTTGGTTCAA TACAAGGGAGGAAGGTGAAGTTAGAAAGAACAGAAAGGGCATCAACGCAGACCCC TCACTGATATCGGCAACACTACGGTCACCTAAGCCAATTCTGCAATTTCCATCACT GGCGGGGCCCCGCTCCAACCTTCTCTAAAAGGCCAATTCCCCTATATGATTCTTATT ACAATCCCTGGCCCTCCTTTTCCACTTCT
SEQ ID NO:102	M,L	LPZ-025	AGGTGACCGTAGCAGGAGAGAGGAGATCCACAACCATGGTTTTCTGCAAGGCCA GAAAACCAGGGCCTACTTCAAGAGGTTTCAGGTCAAATTCAGCGCAGGAGAGAG GGGAAGACCGATTACAGGGCAAGGATCCGCCTGATTAACCAAGATAAGAACAAGTA CAACACACCCTTGCCAAAAAAAAAAAAAAAAA
SEQ ID NO:103	Middle	LPZ-026	AGGTGACCGTATGAGCAAGGAGGGAACAGTATGACAGGCAGTCAAAGCCCACGAG GGGTGCCCCACTGCCTGCAGCAGCGCACTTACTTGGACTAACAACTTGTATCGTG ATTAAAACGATGAACATCGTATTGTGGAGTGGAGCCACTCGTGACCTGATTCTGTC CTAAGTACTTGGTCCTGGAATACAATATTGCACGGTCACCT
SEQ ID NO:104	All	LPZ-028	AGGTGACCGTCAAAGTACAATGGAGTCATATATCCACTTGAATTGAAACCTCTAATT TAAAAGTTCTCAAAAAATATTTTATTTACAAAACAGGGAAAATAAAAAATGACTCTAT CAACTATACAATCCTAACATCCATCTCCCGACAGACCTCCAGTATATGTACAAGGC GCTGAAAGAAGGCTGATTATTTTCTATTCCAGCTCGCATAACGTGGTTCTTCTGAG GCTTTGCCTATTCTTTCTTTAAAATCTTTCGCACGAAAGATTGGCATTGACCTTCG GCTAAATCTCAGACTCCAGGGAACCTTGGACTCCCTTTAAAACCTAGAGCTACTTTT TACGAACCCCTGCTTCTCTTGAACACTTAGGGAACTTATACTTACAAAACCTTCGGGA ACTCCACCCCTAGCTTTGCAGGACTCCAGCAGATTCCCCAACTGCCAGAAGGCA TATTTCCATGCACTGTTAGGGGTGAATTCCTACTATCAAACCCCCCAAACATCATA
SEQ ID NO:105	Late	LPZ-029	AGGTGACCGTATGGGAACAAGTATGGGAACAAGAACGTTATTACATAAAAGATGGA GATGCAACACAGCATAAATTGATGCTAAGTTTGTACAATGATGCATACAGCTTAAC CAAGCTTGGAATGACATCATTAAAGTGCGGTACAGCCTCTGCATAGTATTTCTCT GCCTTGGGTGTATCCTTGCTCCTTGACGCGTAGTCCAGGTTGTCAAGGGTTGTCAA AAAGCTTGGTGGTGAAGGTTTTGAGGGGCTTCTTCTGGTCCTTGGGCTTTGAGGA GATAACGGTGTGTTGAAGTCCTTAGCGAAAGTAAGAAACCTTTGGAACCGAAGTCCG TTCTTGACGTTACCGCACGCCTTCTTATCTATCACTTTTTACCTCCAGAAATTGC TTCCCGAATCCCTTGCTCTCCACCCCTGTTCCCCC
SEQ ID NO:106	Late	LPZ-030	AGGTGACCGTAGTGTTGCCGATATCAGTGAGGGGTCTGCGTTGATGCCCTTTCTG TTCTTCTACTTCACCCTCCTCTCTTGTATTTGAACCAACCCGCATTTTCATGACTCGA CAAATTTTCTTTCAGAGCATTCTGTAGTAATGCTGCCCCATGCACAGCAAGCAGTTG TTCGGCTGCTTTAGCTTTGACTTCCATTTCAATCAAGTCATCTGAATCAGCGTTGCC ACTCTTGCCCTCATCCTTGCTTGGTTTTGTCTTCGTCGCTTGTCCATTTGGAGAG TCTTCACAGCTTCTGCCACTTCAATTTGAATTGCAGCATCCACTTGCGGAACGGTCT GCTCCCCATATCACGGCACCTT
SEQ ID NO:107	Late	LPZ-031	AGGTGACCGTAGTGTTGCCGATATCAGTGAGGGGTCTGCGTTGATGCCCTTTCTG TTCTTCTACTTCACCCTCCTCTCTTGTATTTGAACCAACCCGCATTTTCATGACTCGA CAAATTTTCTTTCAGAGCATTCTGTAGTAATGCTGCCCCATGCACAGCAAGCAGTTG TTCGGCTGCTTTAGCTTTGACTTCCATTTCAATCAAGTCATCTGAATCAGTGTTGCC ACTCTTGCCCTCATCCTTGCTTGGTTTTGTCTTCGTCGCTTGTCCATTTGGAGAGT CTTCACAGCTTCTGCCACTTCAATTTGAATTGCAGCATCCACTGCGGACGGCTCTG CTCCCATATCCACGGTCACCT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:108	Late	LPZ-032	AGGTGACCGTCGTGAAATAGCGAGAACGGCGTGGAACATCGCAACGGCGGGGAG GCTGGCGGACGTTGCACGTTTCTGGAAGGTATGCGGCTCTCTCCTCCGCCTCAGT TTCCATGAAGAGGTCCTCCCTGGTTGAATCATACGATTGCGATTGATCGAGTACTT GCTGTATGGCTCGGCATCGGCATTGTGGAGACATTCTTTCCTATTCTCGCAGCAT CTCTCCGATGGTTGCTCTCTCCGGAGCTCCATGTTATCCCCGGCACTGAGACAGTC GCTGCCGAATCGCAAGAGCTTCTTTGTTTTTGCAGGCTTCTCAAACATAATGCCT CCGGGCCCCCTCAACCGAATTCTGCCAAATCCACCCC
SEQ ID NO:109	E,L	LPZ-033	AGGTGACCGTGACGACAGTGAGTGACGTCATCATGCTCTCCAGTGGACTTTAAG CAATCTGCATCTTTATGGAAGTGATGTATCTCTTGTGGTTTTTCATGCTCAACCATT GGCAGTCTTCAACAGTGCTGCAACAATGGGCATAACGTCTCCCGAATTAATTGAAA CTATTGTGAATCAACAGATAGGTTTCTGGTCACATCTAGCAATACAAACACAAATAA CTGTGGAACAGAGCCACAAAATATGCTTCAGAGCATCTAATTACACATATCTTCTC TAAAACCCCTTGCAATAAAAAATAAACTGAATCTCGACCTTAGCACTATTGCCACCATC ATCTCAAGCAAACATTCTCTAGAATACCATCTTCACAATGCACTAAAGTTACATAAG CACTGAACTTAAACATTTCTGTGACGAATGAAGGACCAATTCATCACTCAGCCT TTGCATCCAATCTGTTGAATGTGCTGAAAAATGCCAATAAACCTCCATCCAACACT GTCTTCTCTCTGAGGTGCACACTGATTTCTGCTGCTGAACCAGTCGGGATTCCCT GCTCAACGTCCC
SEQ ID NO:110	Middle	LPZ-034	AGGTGCCCGTGGAACACTACTGTTAAATCTGGAATCCCTTGTCTAGCTGTAAAACTC GACAAGTGCATGTTGGTATTAGTAGGGTTAACAGAAGGGTTCTTACCCAGATTTAC CCCTTTGGCGGAGATATTTAAAAAAAAGAATTGTCATTATGGTAAATAGGTGTGAC AGGTTATCAATAGAATAACTGACGAGAGTAACTGATAATTATTAAGGTAAAGTGT TCGTAAAGGAGACTTGGACTCTAGGTTGGATGCCTACACTTAGAGCCGTTCCCGCA CTTGGACGGTCACCT
SEQ ID NO:111	Middle	LPZ-035	AGGTGACCGTCCAGTGCGGGAACGGCTCTAAGTGTAAGCATCCACCTAGAGTCCA AGTCTCCTTTACGAACACTTTAACCTTAATAATTATCAGTTTACTCTCGTCAGTTATT CTATTGATAACCTGTCACACCTATTTACCATAATGACAATTCTTTTTTTTTAAATATCT CCGCCAAAGGGGTAAATCTGGGTAAGAACCCTTCTGTAAACCCTACTAATACCAAC ATGCACTTGTGAGTTTTTACAGCTAGACAAGGGATTCCAGATTTAACAGTAGTTCC ACGGTCACCT
SEQ ID NO:112	Late	LPZ-037	AGGTGACCGTATGGGAACAAGAACGTTATTACATAAAAGATGGAGATGCAACACAG CATAAATTGATGCTAAGTTTGTACAATGATGCATACAGCTTAACCAAGCTTGGAAA TGACATCATTAAAGTGCGGTACAGCCTCTGCATAGTATTTCTCTGCCTTGGGTGTA TCCTTGCTCCTTGACGCGTAGTCCAAGTTGTCAAGGGTGTCAAAAACTTGGTGGT GAAGGTTTTGAAGGGCTTCTTCTGGTCCTTGGGCTTTGAAGAAATAACGGTGTTGA AGTCCTTACCAAAGGTTAATAAACCTTTGGAGCCGAAGTCGTTCTGGACGTACGGC CACCCCTTCCTTATCTATCAGCTTTTTACCTCCAAGAATTTGCTTCCCCGAATTCC TTTGCTCTCCAGCCGCTGGTCCCCCGAAAAGGGCTGAATATAAAACCGTCCTCA ACGGCATTCCATTCTCCTCGTCTGAAACACTTCCCCGCTGCCCCCGAGGTGAA GGGCCATCAACTTGATGAACGGCTTTTGCAAGGCTCTGACCCCGGCCCGTCACT AACCAATTCTGCAATC
SEQ ID NO:113	Middle	LPZ-038	AGGTGACCGTGGGGAACAACACTACATGACAAATCATTTCTTTGTGGTGGATGTA GACACCAATAAGTGTTGAGAGTCCACTGGCTCTGTACGCGTGCCAGAATCACAA GGACTTGAGAAAGTTGAAGATGGAATTTGTATCGCTAGATGGCCAGACCATGTTGC TTCAAGGGATGCACTCGTAACCCCCACAGTCTGTCTCTACCCACTAGATGGAGGCT GACATGAGACATGGAGACATTAATTGGGTTGTGGAGTTAAAGATCTCTCAGTTTCG GGGAAAATCCAAGCCATCATACTTATATATCCGTCCCGTGCATGTAACCTCCTCCA CTCTGTCCCTTAGGCCCCGTTGTTGCCT

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cDNA	Embryo Phase	Clone	Nucleotide Sequence
SEQ ID NO:114	E,L	LPZ-039	AGGTGACCGTATGAGCAAGGAAANNACCGCACTGGCTCCCAGCAGCATGAACANC CAGGTCCCAACCATANACCNCNTGGAGAANGTGATCAAGATATTAGCGACAGTGTN ATTGTACNTCTCNCCAAACACATTATACACGATAAGAGAGCNTAACTACTCTATTC CTTTGACGNAGTGACTACNTGAGTANAAGCGATCATTATCTTGCNAACTTTGCATGA AAAACAACAAACCCACNTCCAGTTTCTCTATANTCTGGCCCCACNATGAATAANANT CCTGCCATAATAATGANTCTTTGTCCCCANAGANAAATTNNATAAGACAGGAGCCC ACTGTTGCTTGCATGACTACCANTCACTTTAAGGCGTTGCGAATCCCGGTCCTAAC CATCTCCATACCATNGGCANNCTTTACTTTCCAACCTGCCAAGACTGTGAACAGGG CGGTTCCNACCCTATAANTTTTAGCCTCTNNTCGAANCNCTTNTTTTCGTTCCCCGG AAANCCGNTTCCACCCCTTTGGAACCTTTTTTTTTTGGCCGGCCCCAGGCNAATTC TNCAATTCNCTGGGGGG
SEQ ID NO:115	Late	LPZ-040	AGGTGACCGTGGCGGAGGTTAGGGAAGTTTGACTTCTCATTTTCTCACGCACTCCT CTCCCTCGTAACCTCGGTGAGTCGATGGCGGCTTTTTAGTCGAGTGTGCTAACG CACCCTCCGGGCTCAAATTTCCAGCTACTCGTATTTGATCAATGCTGAAATCGC GTAATCACGTAGATAATAAAGCGTAATGAATTCTATAATGAAGCATGTTTCTCTATA GTTGATGTTGCCGAGAAGGAATAATGAAATGAAGCCTTATATATTATCTGGGGCTC AAGGAGATGTTATCTTTTCTTCTTCTTGGTTAGAGACCGTCACCTTCACTTTGAATT GGATAAAGCTTCATTTGTTTAAGACCTCCACCCGTAATACATACGGTAGCCTTCT TATGTTAGAAACATACGTCACCTACGCAGAATTGTTAGAATGAAATGA
SEQ ID NO:116	Late	LPZ-041	AGGTGACCGTGGAACAAGATGATTAGTTCTCATGCGGGCCAGGATGATTAGTTCTC CTATGGCAACTGTTGGACAGGATGATTGCTTCTCCTGTGGACAGGATGATTAGTTC TCCTATCGAGGCATCCTACCCAAGCAGTTTGGGACTCATGGGAAGTACCTCTCATC TGATCAATGAGTAGGAAATGGGGTTAGGGACCATTAAAGTAGTATTATCGATGGATG CATTGTTGTATCTATTGTAATCCCTATGCTAGAATGAATCCATTGATCTGGGATCA ATGAATACTGTTTCTGGGAATCATTGAAATTTGTATGAACACACTCTGAACACTGA ATTTCCGGTTCATTGGAAGAGATGGTTTTAAACACTCTCCTCATCTCATTTCTTCCC CTTCCTTATTCCAACCAATTTGGGCCACCCTGCCAGGAAATTCATTTGATGGTTGG AAAATACCACGGGCCCTAACCAATTCTGCAA
SEQ ID NO:117	Late	LPZ-042	AGGTGACCGTNCATCTCTACCATNATNCCTCCCTCCCGNCTGTATCANCNNGCNTN NANGTCNTTNNCTANNNNNAAGNTTAATCCTATCCCNNTANAGTTGACGGTCTCTAN NCCTAGAAGAGAANCCATAACATCTCCTTGAGCNACACATGGGATATACCGCCANC TTATNTAATACTTTNCNCGCACGGTAACNGACCANAANCATTCTTCACTATAGAATT CATGTCGCTTCATTATCTACCTCATTNCNCCANATCCCCCTTNATCTCATNNATTTAT CTAGAAANTTCTGAAGNTCCNNAAGGGTTTCGTTTTGCACCNCCCCAANTAAAAAN CCCTNCCGNTTACNTCGAACGAAGGTTTTCAAANGAACAGNAATTCCTTTACAAAAA TCAANAATTTTAACTTCCCNAAATCCGGCCCCCNGTNCCCGAAACCCNATTTCTAC GATTGCATCACCCCGGGGGNCCNCTCAANCCNNTTCTTAAAGGNCCATNCCNT NNNTGATCCTCTNCCATCCAANGGCNCCTTTCCACTTTTATTGGAAAACCCCNNTT CCCCNTTTTACCCTTNNAAGGCCCTTCCC
SEQ ID NO:118	Late	LPZ-043	AGGTGACCGTGGAACACTACTGTAAATCTGGAATCCCTTGTCTAGCTGTAAAACTC GACAAGTGCATGTTGGTATTAGTAGGGTTAACAGAAGGGTTCTTACCCAGATTTAC CCCTTTGGCGGAGATATTTAAAAAAAAGAATTGTCATTATGGTAAATAGGTGTGAC AGGTTATCAATAGAATAACTGACGAGAGTAACTGATAATTATTAAGGTTAAAGTGT TCGTAAAGGANACTTGGACTCTAGGTTGGATGCCTACACTTAGAGCCCGTTCCCGC ACTTGGACGGTCACCT

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